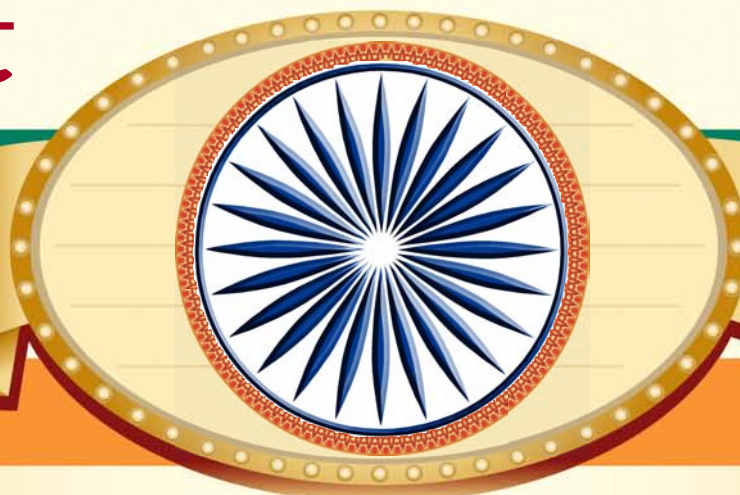


इंटरनेट

मानक



Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

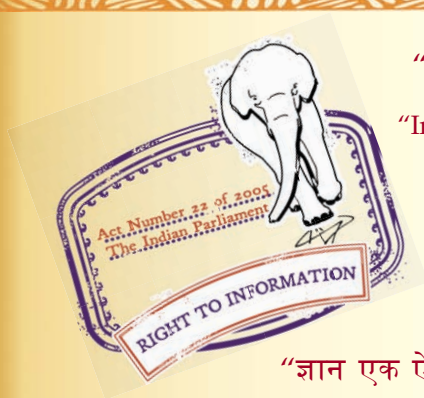
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

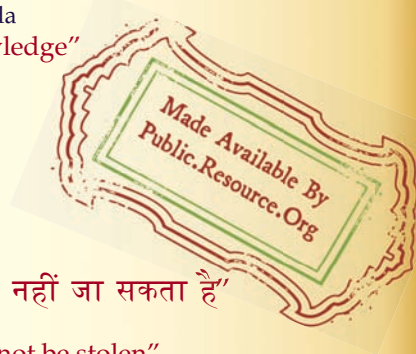
IS 11556 (1986): Purchaser's data sheet for distillation columns [MED 17: Chemical Engineering Plants and Related Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

BLANK PAGE





Indian Standard

(Reaffirmed 2003)

PURCHASER'S DATA SHEET FOR
DISTILLATION COLUMNS

1. Scope — Covers the process data required to be filled in by the purchaser while placing an inquiry or order for the purchase of a distillation column.

2. Purchaser's Data Sheet

PURCHASER'S DATA SHEET FOR DISTILLATION COLUMNS

1) General Information

- a) Name of purchaser _____
- b) Project _____
- c) Location of plant _____
- d) Service of column _____
- e) Reference No. _____

2) Input Data (For alternate feeds the information pertaining to each feed is required).

SI No.	Components	Molecular Weight	Composition	
			Weight percent	Volume percent

- i) _____
- ii) _____
- iii) _____
- iv) _____
- v) _____
- vi) _____

2.1 Feed Rate

Minimum _____ kg/h

Normal _____ kg/h

Maximum _____ kg/h

2.2 Feed Condition

Liquid/vapour/(vapour + liquid) mixture

Temperature _____ K

Pressure _____ MPa

Adopted 1 January 1986

© July 1986, ISI

Gr 2

IS : 11556 - 1986

2.2.1 Physical/thermal properties

Density _____ kg/m³
Viscosity _____ cP
Bubble point _____ K
Liquid heat capacity _____ J/(kg. K)
Latent heat of vaporization _____ J/kg
Thermal conductivity _____ W/(m.K)
Enthalpy data _____ J/kg

2.2.2 Is feed polymerisable _____ Yes/No

2.2.3 Any fouling material with feed _____ Yes/No

2.2.4 Is feed thermally degradable, if yes, at what temperature _____

2.3 Utilities Available

Sl No.	Utility	Quantity kg/h (m ³ /h)	Temperature K	Pressure MPa	Source
i)	Cooling water				
ii)	Steam				
iii)	Instrument air				
iv)	Hot oil				
v)	Refrigeration medium				

2.4 Site Conditions and Data

Wind velocity data _____
Earthquake data _____
Soil data _____
Surface water table _____
Temperature at different times of the year _____
Pressure at different times of the year _____
Elevation from ground level _____

2.5 Suggested Material of Construction

Useful life expected _____
Material of construction of shell _____
Corrosion allowance _____
Material of construction of internals _____
Total corrosion allowance (includes
for both the exposed surfaces) _____
Structural material _____
Insulation material _____

2.6 Special Information/Requirements**2.6.1** Availability of crane and specifications**2.6.2** Plant layout and space availability for installation**2.6.3** Any special code requirements for

Vessels

Heat exchangers

Hazardous conditions

2.6.4 Whether sight glasses needed**2.6.5** Any special sample collections desired**2.6.6** Any particular pump type desired**2.6.7** Type of controls desired _____ Pneumatic/Electronic**2.6.8** Hydrostatic test desired in horizontal/vertical condition**2.6.9** Statutory regulation

Indian boiler regulations

Chief Inspector of Explosives

2.6.10 Design conditions if controlled by upstream conditions:

Temperature _____ K

Pressure _____ MPa

Pressure drop in downstream equipment for pumping of products _____ MPa

3. Output Data**3.1** Product specification desired as per table given below:

a) Top product

b) Bottom product

c) Any side cut

SPECIFICATION OF EACH PRODUCT

Sl No.	Components	Net Weight	Composition	
			Weight percent	Volume percent
i)				
ii)				
iii)				
iv)				
v)				
vi)				

3.2 Product rate desired

	Top	Bottom
Minimum	_____	_____ kg/h
Normal	_____	_____ kg/h
Maximum	_____	_____ kg/h

3.3 Product Condition Desired

3.3.1 State of product _____ Liquid/Vapour (Vapour + Liquid mixture)

Temperature _____ K
Pressure _____ MPa

EXPLANATORY NOTE

The information given by a purchaser according to this data sheet will enable a manufacturer or supplier to assess the exact requirements of the purchaser and recommend to him the most suitable type of equipment.